

COURSE SYLLABUS for MATH 1325–001

Spring 2013

Instructor: Byungsoo Moon

Phone: 817-272-5762

Lecture time/place: M, W, F 8:00-8:50 am/PKH 110

Office hours: W, F 9:00-10:00 am or by appointment

Office: 425 Pickard Hall

Email: byungsoo.moon@mavs.uta.edu

Textbook: Analytic Geometry, 6th Edition, by Douglas Riddle

Course Description: Vectors, lines in two dimensions, circles, conics, transformation of coordinates, polar coordinates, parametric equations, and the solid analytic geometry of vectors, lines, planes, cylinders, spherical and cylindrical coordinates. The Math Aptitude Test (MAT) is required to register for this course. See <http://www.uta.edu/math/pages/main/mpt.htm> for test details.

Learning Goals: Learn the relation between algebra and geometry in 2 and 3 dimensions.

Attendance: You must sign the class rolls every day. Attendance is not optional.

Grading Procedure: There will be no makeup tests. There will be three tests plus a Departmental Final Exam. Each of the three tests will have 15 questions (multiple choice) and will be held in Room 305 Pickard Hall. The Departmental Final Exam will have 30 questions (multiple choice) and will be on Saturday May 4 at 9:00am-11:30am in a place to be announced. You must bring a Scantron Form 882(4-6) to each of the tests and the Department Final Exam. You may purchase the Scantron Forms from the bookstore. The weight of the Department Final Exam will be no less than 25% or more than 30%.

Course Grading:

- Grading scale: A: 90–100, B: 80–89, C: 70–79, D: 60–69, F: 0–59
- Attendance : You must sign the class rolls every day –5%
- Quiz : Every Friday from assignments sheet –10%
- 3 midterm exams: February 8th(15%), March 8th(20%) and April 12th(20%)–55%
- Final exam (Saturday, May 4th, 9:00-11:30) –30%

Science Education & Career Center: The Science Education and Career Center is located in room 106 of Life Science. The Science Education and Career Center has taped lectures on Analytic Geometry as well as some exams from previous semesters.

Math Clinic: The Math Clinic is located in 314 Pickard Hall. Its hours are posted all around Pickard Hall.

Tutoring: The Mathematics Department has a list of available tutors in the Mathematics Offices(478 Pickard Hall). You will have to contact the individual tutor for the cost. University College Student Support Services in 206 Ransom Hall also has tutoring available. The cost is free for qualifying students; otherwise, the cost is very reasonable. You can go by the Student Support Services in 206 Ransom Hall or call 272-3684.

Americans with Disabilities Act: The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 92-112 - The Rehabilitation Act of 1973 as amended. With the passage of federal legislation entitled Americans with Disabilities Act (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty of their need for accommodation and in providing authorized documentation through designated administrative channels. Information regarding specific diagnostic criteria and policies for obtaining academic accommodations can be found at www.uta.edu/disability. Also, you may visit the Office for Students with Disabilities in room 102 of University Hall or call them at (817) 272-3364.

Academic Dishonesty: It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents Rules and Regulations, Series 50101, Section 2.2)

Grade Replacement Policy: Upon receiving a grade of D or F in a course, a student may, after filing an intent to do so, replace the grade by repeating the course. The second grade earned, whether higher or lower, will be used in calculating the grade point average unless the second grade is a W. This applies only the second time a course is attempted. Both grades received will be shown on the student's transcript. This policy will apply to a maximum of 10 credit hours at U.T.Arlington. Students must file their intention to replace a grade with the registrar by the Census Date. All withdrawals after the Census Date will be considered an attempt, and the initial grade will be used. This policy will not apply to courses that may be repeated for credit or courses taken on a pass/fail basis. This policy is not applicable to graduate students and is not retroactive in that a grade in course taken prior to adoption may be replaced, but a grade earned in a course prior to adoption may not be used as a replacement. Individual colleges and schools may limit this policy.

Student Disruption: The University reserves the right to impose disciplinary action for an infraction of University policies. For example, engagement in conduct, alone or with others, intended to obstruct, disrupt, or interfere with, or which in fact obstructs, disrupts, or interferes with, any function or activity sponsored, authorized by or participated in by the University.

Drop For Non-payment of Tuition: If you are dropped from this class for non-payment of tuition, you may secure an Enrollment Loan through the Bursar's Office. You may not continue to attend class until your Enrollment Loan has been applied to outstanding tuition fees.

Important Dates:

First Day of Class: Monday, January 14

MLK Holiday: Monday, January 21

Census Day: Wednesday, January 30

Midterm 1: Friday, February 8

Midterm 2: Friday, March 8

Spring Break: Monday–Friday, March 11–15

Last day to drop class: Friday, March 29

Midterm 3: Friday, April 12

Last Day of Class: Friday, May 3

Final Exam: Saturday, May 4

1325 Schedule of Topics(tentative)

	DAY	SECTION		DAY	SECTION
Jan 14	1	1.1, 1.2	Mar 13	25	Spring Break
Jan 16	2	1.3	Mar 15	26	Spring Break
Jan 18	3	1.4, 1.5	Mar 18	27	6.3
Jan 21	4	MLK Holiday	Mar 20	28	6.4
Jan 23	5	1.6	Mar 22	29	7.1, 7.2
Jan 25	6	1.7, 1.8	Mar 25	30	7.3, 7.4
Jan 28	7	2.1	Mar 27	31	7.5, 7.6
Jan 30	8	2.2	Mar 29	32	8.1, 8.2
Feb 1	9	2.3	Apr 1	33	8.4
Feb 4	10	3.1, 3.2	Apr 3	34	8.5
Feb 6	11	Review	Apr 5	35	8.6
Feb 8	12	Midterm 1(ch1,2)	Apr 8	36	9.1
Feb 11	13	3.3	Apr 10	37	Review
Feb 13	14	3.4	Apr 12	38	Midterm 3(ch6,7,8)
Feb 15	15	4.1	Apr 15	39	9.2
Feb 18	16	4.2	Apr 17	40	9.3
Feb 20	17	5.1, 5.2	Apr 19	41	9.4
Feb 22	18	5.3	Apr 22	42	9.5
Feb 25	19	5.4	Apr 24	43	9.5
Mar 1	20	6.1	Apr 26	44	9.6
Mar 4	21	6.2	Apr 29	45	9.6
Mar 6	22	Review	May 1	46	9.9
Mar 8	23	Midterm 2(ch3,4,5)	May 3	47	Review
Mar 11	24	Spring Break	May 4	48	FINAL EXAM